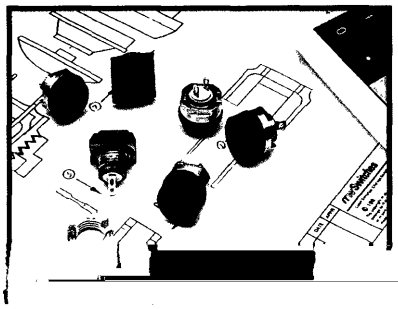
Series 59



Series 59

MINIATURE SEALED PUSHBUTTON

Description

The series 59 is a range of miniature, momentary action, rugged panel sealed pushbutton switches.

The series is available with square or round bezel versions, with or without LED status illumination.

A locknut is supplied with each switch.

A choice of body material is provided of either a non spark zinc alloy or a hard wearing moulded PBT therefore making this switch suitable for use in most applications. It is panel sealed to IP67 and is designed to be impact resistant. The small size, robustness and panel sealing make this switch ideal in harsh environments.

Non-Illuminated Version

The non-illuminated range includes a choice of 7 button colours with solder terminal connection. PCB terminals, a high round bezel, surface and sublimation printing are available as non-standard.

Status Illuminated Version

An illuminated version is available in the round bezel versions with a choice of 3 button colours and 2 high brightness LED colours. Non standard options include additional button and LED colours (subject to minimum order quantities).

Features

- Non-spark material – To NCB 481/1965
- Wide temperature range – Up to 125°C
- Panel sealed – To IP67
- High environmental specifications
- Gold contacts
- Status illumination
- Overboot for protection against icing

Non-standard options:

- PCB terminals
- High round bezel
- Surface or sublimation legend printing on the button (non-illuminated version)

Specification

Mechanical

Travel (nom)	2,3mm
Life (max)	1,000,000 cycles
Operating force (nom)	3N
Contact bounce (nom)	1ms

Environmental & Physical

Ingress protection	IP67
Shock	100g
Vibration	DEF STD 07-55
Non-Illuminated	
Operating temperature range	–40°C to +125°C with zinc alloy body –40°C to +105°C with PBT body
Illuminated	
Operating temperature range	–35°C to +85°C
Body material	Zinc alloy (standard) or PBT
Button material	PBT
Contacts	Gold plated palladium nickel
Terminals	Gold plated brass
Salt mist	BS2011 Part 2:1
Soldering information	320° C max for 3s

Ordering information

59 – □□□□

Body style

Standard round bezel	1
Standard square bezel	2
Illuminated round bezel	4
PBT round bezel	5

Termination

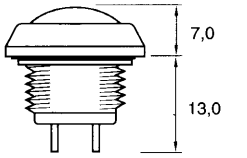
Solder terminals	1

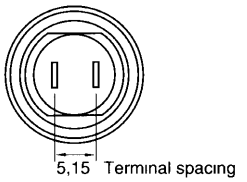
Button colour

Product dimensions

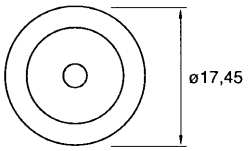
Dimensions (all measurements in mm)

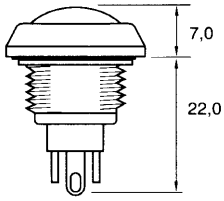
Round Bezel



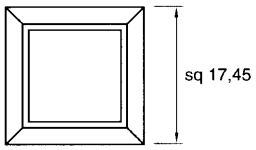


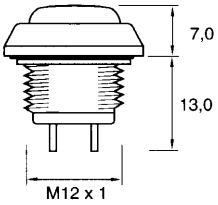
Illuminated Round Bezel

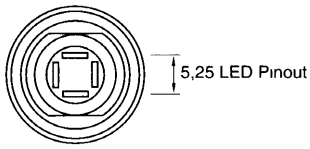




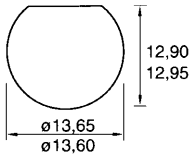
Square Bezel





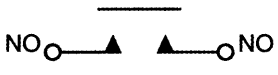


Panel Cut Out



Note: Panel cut out is applicable for all styles.

Switch circuit form



Typical applications

- Communications
- Military environments
- Data entry
- Mass transport controls